1427. Perform String Shifts Premium

Solved ●

Easy Topics Companies Hint

You are given a string `s` containing lowercase English letters, and a matrix `shift`, where `shift[i] = [direction_i, amount_i]`:

- `direction_i` can be `0` (for left shift) or `1` (for right shift).
- `amount_i` is the amount by which string `s` is to be shifted.
- A left shift by 1 means remove the first character of `s` and append it to the end.
- Similarly, a right shift by 1 means remove the last character of `s` and add it to the beginning.

Return the final string after all operations.

Example 1:

> **Input:** s = "abc", shift = [[0,1],[1,2]]
> **Output:** "cab"
> **Explanation:**
> [0,1] means shift to left by 1. "abc" -> "bca"
> [1,2] means shift to right by 2. "bca" -> "cab"

Example 2:

> **Input:** s = "abcdefg", shift = [[1,1],[1,1],[0,2],[1,3]]
> **Output:** "efgabcd"
> **Explanation:**
> [1,1] means shift to right by 1. "abcdefg" -> "gabcdef"
> [1,1] means shift to right by 1. "gabcdef" -> "fgabcde"
> [0,2] means shift to left by 2. "fgabcde" -> "abcdefg"
> [1,3] means shift to right by 3. "abcdefg" -> "efgabcd"

Constraints:

- `1 <= s.length <= 100`
- `s` only contains lower case English letters.
- `1 <= shift.length <= 100`
- `shift[i].length == 2`
- `direction_i` is either `0` or `1`.
- `0 <= amount_i <= 100`

Seen this question in a real interview before? 1/5

Yes No

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Hint 1

Hint 2

Discussion (4)